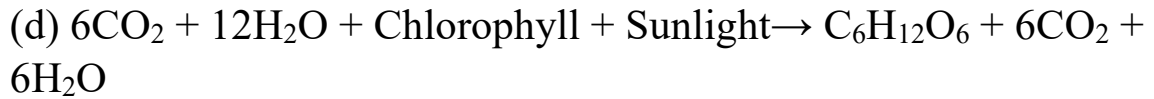


**Chapter- 1**  
**Worksheet – 3**

1. The color of blood plasma is:
  - a. Red
  - b. Pale yellow
  - c. Yellowish green
  - d. Pink
  
2. It helps in translocation of food in plants.
  - a. Xylem
  - b. Palisade cells
  - c. Root hairs
  - d. Phloem
  
3. The only reptile having 4- chambered heart is:
  - a. Snake
  - b. Turtle
  - c. Lizard
  - d. Crocodile
  
4. Oxygen liberated during photosynthesis comes from  
(a) water            (b) chlorophyll            (c) carbon dioxide            (d) glucose
  
5. Which of the following equations is the summary of photosynthesis?
  - (a)  $6\text{CO}_2 + 12\text{H}_2\text{O} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 + 6\text{H}_2\text{O}$
  - (b)  $6\text{CO}_2 + \text{H}_2\text{O} + \text{Sunlight} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + \text{O}_2 + 6\text{H}_2\text{O}$
  - (c)  $6\text{CO}_2 + 12\text{H}_2\text{O} + \text{Chlorophyll} + \text{Sunlight} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 + 6\text{H}_2\text{O}$



6. Choose the event that does not occur in photosynthesis
- (a) Absorption of light energy by chlorophyll
  - (b) Reduction of carbon dioxide to carbohydrates
  - (c) Oxidation of carbon to carbon dioxide
  - (d) Conversion of light energy to chemical energy
7. Which of the following statement(s) is (are) correct?
- (i) Pyruvate can be converted into ethanol and carbon dioxide by yeast
  - (ii) Fermentation takes place in aerobic bacteria
  - (iii) Fermentation takes place in mitochondria
  - (iv) Fermentation is a form of anaerobic respiration
- (a) (i) and (iii)                      (b) (ii) and (iv)  
(c) (i) and (iv)                      (d) (ii) and (iii)
8. Lack of oxygen in muscles often leads to cramps among cricketers. This results due to
- (a) conversion of pyruvate to ethanol
  - (b) conversion of pyruvate to glucose
  - (c) non conversion of glucose to pyruvate
  - (d) conversion of pyruvate to lactic acid
9. Choose the correct path of urine in our body
- (a) kidney → ureter → urethra → urinary bladder
  - (b) kidney → urinary bladder → urethra → ureter
  - (c) kidney → ureters → urinary bladder → urethra
  - (d) urinary bladder → kidney → ureter → urethra

10. Which of the following statement(s) is (are) true about respiration?
- (i) During inhalation, ribs move inward and diaphragm is raised
  - (ii) In the alveoli, exchange of gases takes place i.e., oxygen from alveolar air diffuses into blood and carbon dioxide from blood into alveolar air
  - (iii) Haemoglobin has greater affinity for carbon dioxide than oxygen
  - (iv) Alveoli increase surface area for exchange of gases
- (a) (i) and (iv)                      (b) (ii) and (iii)  
(c) (i) and (iii)                      (d) (ii) and (iv)
11. Two green plants are kept separately in oxygen free containers, one in the dark and the other in continuous light. Which one will live longer? Give reasons.
12. Why is the rate of breathing in aquatic organisms much faster than in terrestrial organisms?
13. Why is blood circulation in human heart called double circulation?
14. Why is transpiration important for plants?
15. What are enzymes? Name the digestive enzymes present in pancreatic juice.
16. Explain the mechanism of photosynthesis.
17. Explain the three pathways of breakdown in living organisms.

18. What is lymph? How is it formed? Write its function.
19. What are the components of initial filtrate?
20. Differentiate between transport in xylem and phloem.

© PRAADIS  
EDUCATION  
DO NOT COPY